



1722

Patent
Docket No: 55955US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sarah J. Davis, et al.

Serial No.: 09/966,946

Filed: September 27, 2001

For: CERAMIC OXIDE PRE-FORMS, METAL MATRIX COMPOSITES, AND
METHODS FOR MAKING THE SAME

Group Art Unit: 1722

Examiner: Unknown

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H/W
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

April 3, 2002
Date

Dea Orner
Signature

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, enclosed please find a completed PTO-1449 form citing references submitted for consideration during examination of the above-referenced patent application. A copy of each of the references cited therein is also enclosed.

It is believed that no fee is due; however, in the event a fee is required, please charge it to Deposit Account No. 13-3723.

It is respectfully requested that the Examiner initial and return the enclosed PTO-1449 form in order to indicate that each of the references listed thereon has been considered in connection with the present application.

Registration Number 35,048	Telephone Number 651-736-0641
Date April 3, 2002	

Respectfully submitted,

By

Gregory D. Allen

Office of Intellectual Property Counsel
3M Innovative Properties Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427
Facsimile: (651) 736-3833

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		55955US002		09/966,946			
		Applicant(s):					
		Sarah J. Davis et al.					
		Filing Date:		Group:			
		September 27, 2001		Unknown			
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
		3,795,524	3/1/1971	Sowman			
		4,047,965	9/13/1977	Kars et al.			
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		5,022,500	6/11/1991	Wang			
		5,036,932	8/6/1991	Schonenberger			
		5,177,039	1/5/1993	Allaire et al.			
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		6,245,425	6/12/2001	McCullough et al.			
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		6,344,270	2/5/2002	McCullough et al.			
EXAMINER				Date Considered			
<small>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							



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MB No. 0651-0011

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	55955US002	09/966,946
	Applicant(s): Sarah J. Davis et al.	
	Filing Date: September 27, 2001	Group: Unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
	09/967,401 55954US002		Sara J. Davis et al.			9/27/2001
	09/967,562 56046US007		Sara J. Davis et al.			9/27/2001
	09/616,589 55675USA1A		Michael W. Carpenter et al.			7/14/2000

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

		Preforms for Metal Matrix Composites, "Fibralloy™ Preforms for Metal Matrix Composites" Product Brochure, Thermal Ceramics Inc., 1/1998.
		"Squeeze Cast (SCPM) Light Weight Aluminum Front Knuckle Case Study", SAE Technical Paper Series, David T. Gerken & Rick Neal, 1999, Society of Automotive Engineers, Inc., pp. 1-6.
		"MMCs for Automotive Applications" Article, The American Ceramic Society Bulletin, M. Varuzan Kevorkijan, December 1998, pp. 53-59.
		"Metal-Matrix Composites in the Automotive Industry: Opportunities and Challenges" Article, JOM, John E. Allison & Gerald S. Cole, January 1993, pp. 19-24.
		"Non-Linear Response of Continuous Fiber Metal Matrix Composite Laminates" by Christopher P. R. Hoppel, Travis A. Bogetti, Bryan A. Cheeseman, and Aristedes Yiournas, ARL-RP-43 November 2001 (A reprint from Proceedings of the American Society for Composites, Blacksburg, VA, 9-12 September 2001)

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Based on Form PTO-FB-A820
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce



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	Applicant(s): Sarah J. Davis et al.	
	Filing Date: September 27, 2001	Group: Unknown

FOREIGN PATENT DOCUMENTS

		Document Number	Date of Publication	Country	Class	SubClass	Translation	
							Yes	No
		DE 29 50 660 A1	11/30/1979	Germany			X	
		HEI 1-273664	11/1/1989	Japan			X	
		HEI 4-172169	6/19/1992	Japan			X	
		HEI 2000-202613	7/25/2000	Japan			X	
		SHO 62-142733	6/26/1987	Japan			X	
		JP 61-88956	10/5/1984	Japan			X	
		JP 61-293649	6/20/1985	Japan			X	
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		EP 0 489 453 B1	6/10/1992	EPO				

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OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

			"Properties of Wear Resistant Composites" Product Brochure, Thermal Ceramics Inc. for purposes of examining the instant application, Applicants admit the publication date was prior to (9/28/2000) provisional filing date from which the instant application claims priority from.
			Preforms for Metal Matrix Composites, "Wear Resistant Fibrilloy™ Reinforced Composites" Product Brochure, Thermal Ceramics, 1/1998.
			"Fibrilloy Preforms For Light Metal Alloy Reinforcement" Product Brochure, Thermal Ceramics Inc. for purposes of examining the instant application, Applicants admit the publication date was prior to (9/28/2000) provisional filing date from which the instant application claims priority from.
			"Squeeze Cast Al ₂ O ₃ /Al Ceramic-Metal Composites" <u>Ceramic Bulletin</u> , Vol. 70, 1991, pp. 195-197

EXAMINER	Date Considered
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